

- 37 -

ABSTRACT OF THE DISCLOSURE:

5 This invention relates to *in vitro* cell culture employing a fibrin network in a flexible gas permeable container. Specifically, the invention is directed to a cell culture container comprising a flexible, gas permeable material with fibrin matrix which is conducive to the culture of anchorage dependent cells, and the container is suitable for use in closed system *in vitro* cell culture. The gas permeability of the container is sufficient to permit cellular respiration.